

PCR Master Mix

Making the Master Mix:

#PCR Tubes	1	2	3	4	5	6	7
10x Extaq Buffer	2.2	4.4	6.6	8.8	11	13.2	15.4
dH ₂ O	12.65	25.3	37.95	50.6	63.25	75.9	88.55
dNTP	1.76	3.52	5.28	6.93	8.8	10.58	12.32
F Primer	0.44	0.88	1.32	1.76	2.2	2.64	3.08
R Primer	0.44	0.88	1.32	1.76	2.2	2.64	3.08
Polymerase	0.11	0.22	0.33	0.44	0.55	0.66	0.77
Template*	NA	NA	NA	NA	NA	NA	NA

*Template is dependent on the concentration of the thing you want amplified and should not be added to the master mix!

*The final volume of the template in the PCR tubes should be 4ul

- Be sure to keep the master mix on ice.
- Add the polymerase to the mix last.
- Add 16ul of the master mix to each PCR Tube for a net total of 20ul in the final PCR tube.
- Label all the PCR tubes different symbols, numbers, or letters and be sure to take a picture of the orientation of the tubes before you put them into the thermocycler as sometimes the Marker can be burnt off.
 - Ensure that the ALL PCR TUBES ARE CLOSED or things will evaporate